

WHAT IS CLAIMED IS:

1. A method for automatically developing a testing program of a tester, comprising steps of:
  - establishing an intellectual property comprising a tester library, a
  - 5 tester resource installation configuration and a testing strategy;
  - integrating said intellectual property with a product target specification, an error code list and a program transfer rule check; and
  - automatically developing a source code prototype of said testing program.
- 10 2. The method according to claim 1, wherein said tester is one of a digital tester and an analog tester.
3. The method according to claim 1, wherein said tester library comprises pattern file formats and source code prototypes for a plurality of known testers.
- 15 4. The method according to claim 1, wherein said tester resource installation configuration comprises Pin electronics (PE) specification and maximum channels, a precision measurement unit (PMU) specifications, a device power supplies (DPS) specification, a time measurement unit (TMU) specification, a vector memory size specification, a system clock rate specification and an analog channel specification.
- 20 5. The method according to claim 1, wherein said testing strategy comprises a testing item selected from one of a logical product and an analog product.
- 25 6. The method according to claim 5, wherein said testing item of said logical product is one selected from a group consisting of continuity test, drive/sink current test, power dissipation test, IDDQ test, input leakage

current test, function pattern test and AC characteristic test.

7. The method according to claim 5, wherein said testing item of said analog product is one selected from a group consisting of ADC/DAC's SNR test, THD test, Jitter/Skew test, crosstalk test, eye diagram test and  
5 frequency response test.